

Peak District National Park

Forecast valid from 00:00 on Sunday 13 Dec 2020 until 23:59 on Monday 14 Dec 2020

Forecast Issued on Saturday 12 Dec 2020 at 14:04

Confidence: High confidence for the beginning of the period but lower confidence in the forecast from Wednesday.

Headline for Sunday 13 Dec 2020: After a dry start, rain soon spreading in and becoming very windy.

Mountain weather hazards on Sunday 13 Dec 2020

Blizzards

No Likelihood

Gales

Medium Likelihood

Thunderstorms

No Likelihood

Heavy Snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

Low Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Partly cloudy (night)	Cloudy	Cloudy	Dull	Heavy Rain	Heavy Rain	Heavy Rain	Light rain showers (night)
Precipitation probability							
20%	20%	20%	30%	60%	80%	80%	80%

Forecast for Sunday 13 Dec 2020

Weather: Mainly dry overnight but cloud thickening and lowering around dawn. Soon after daybreak a band of rain will spread into across the Peak District from the west. The rain may be sleet or snow on the highest tops at first. Rain will be heavy at times and quite persistent through the middle of the day becoming lighter and more drizzly by nightfall.

Chance of cloud free mountain/hill tops above 600m: In the early morning there is a slight chance of cloud free tops but for most of daylight hours the hill tops will be shrouded with extensive low cloud above 400m.

Visibility: Visibility will be moderate but become quite poor in heavier rain in the afternoon. In general navigation will be tricky at height.

Forecast for Sunday 13 Dec 2020

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/16 SW	10/13 SW	16/25 S	26/39 SE	30/43 SE	30/43 S	25/35 S	26/37 S	25/37 S
300	8/12 SW	6/10 S	13/23 SE	21/34 SE	26/41 SE	24/36 S	18/30 S	18/30 S	20/34 S
Valley	4/10 SW	4/10 SE	8/21 SE	12/28 SE	18/38 SE	16/35 SE	12/28 S	13/29 S	14/31 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-2	2/-2	2/-3	2/-4	3/-4	6/0	7/2	7/2	6/0
300	4/0	4/1	4/-0	4/-2	5/-1	8/3	10/6	9/6	8/4
Valley	4/2	3/1	4/1	4/0	6/1	8/4	10/7	9/6	8/5
Freezing Level*	900m	900m	800m	2000m	2300m	2300m	1700m	1600m	1500m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Freezing level will rise rapidly in the morning with any wintry precipitation soon turning to rain. Gales on the tops in the afternoon.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at
15:00 on Sat 12 Dec 2020

Last 24 hours:
17.4mm

Last 48 hours:
26.2mm

Last 72 hours:
27mm

Forecast for Monday 14 Dec 2020

Weather: Showery outbreaks of rain – some of these will be heavy. Perhaps some breaks in the cloud out with showers and less frequent showers in the afternoon.

Maximum wind: Southerly 20-25mph with gusts 35-40ph

Chance of cloud free mountain/hill tops above 600m: 40%, scattered cloud will shroud the tops at times especially around more southerly hills.

Visibility: Mainly moderate or good but becoming poor at times in rain.

Temperature: **Valleys:** Plus 8 celsius.
At 600m: Plus 5 celsius
Freezing level: Above the summits.